

Evidence for the Interaction of Mo and C atoms
in Internal Friction Studies of Fe-Mo-C Alloys,
by G. Collette.

FRENCH, per, Comptes Rendus Acad Sci, Vol 251,
1960, pp 2017-2019.

*Nat Bur Stand TT 70-57723

Sci-Materials
Jul 70

Cohen-Adad, Roger, Tranquard, Aymond and others.
INORGANIC CHEMISTRY: THE AQUEOUS SODIUM
HYDROXIDE SYSTEM (Chimie Minérale: Le Système
Eau-Hydroxide de Sodium). 21 June 61 [6]p. (foreign
text included) 6 refs.
Order from SLA \$1.10

61-18614

Trans. of Academie des Sciences [Paris]. Comptes
Rendus (France) 1960, v. 251 [no. 19] p. 2035-2037
(pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: *Chemistry, *Sodium compounds,
*Hydroxides, *Hydrates, Chemical equilibrium, Solu-
bility, *Inorganic compounds.

This study is completed by the examination of the equi-
librium constants, the diagram of which Pickering had
established in 1893. We have found the eight sodium
hydroxides observed by Pickering. But the fractional
hydrates described by Pickering were not observed.
(Author)

61-18614

- I. Cohen-Adad, R.
- II. Tranquard, A.
- III. Title: Aqueous ...

(Chemistry--Inorganic, TT.
v. 6, no. 10)
Office of Technical Services

Reuse, J[ean].
CHANGES DUE TO RESERPINE IN THE SYMPTOMS
OF CONVULSIONS PROVOKED IN RABBITS. STUDY
OF NEURO-MUSCULAR PARALYZING AGENTS
(Modifications par la Resérpine de la Symptomatologie
de Crises Convulsives Provoquées Chez le Lapin.
Etude des Paralyzants Neuro-musculaires). Mar 61,
3p. 5 refs.
Order from SLA ml\$1.80, ph\$1.80 61-10892

Trans. of Acad[em]ie des Sci[ences] Par[is].
Comptes Rendus (France) 1960, v. 251,
p. 2248-2249.

61-10892

I. Reserpine--Physiological
effects

1. Reuse, J.

II. Title: Study ...

148687

Office of Technical Services

(Biological Sciences--Pharmacology, TT, v. 5, no. 12)

Metallography - Study of the Self-Diffusion of
Zirconium in the BCC β -Phase Note, by Dimitri
Voloikov, Serge May, Yves Adda, 4 pp.

FRENCH, per, Comptes Rendus, Vol CCLI, 1960,
pp 2341-2343.

APC Tr-84x8 4534

Sci
Jan 61

135,941

Lagache, Michel, Chateau, Marcel, and Pomey
Jacques.

GRAFTING-CROSSLINKING OF ALLYL CELLULOSE
WITH VINYL MONOMERS (Greffage-Pontage de
l'Allylcellulose par les Monomères Vinyliques). [1962]
[6]p. 2 refs.

Order from SLA \$1.10

62-14315

Trans. of [Academie des Sciences, Paris]. Compt[es]
Rend[us] (France) 1960, v. 251, no. 22, p. 2353-2355
(pub. by Gauthier Villars et Cie., Paris).

DESCRIPTORS: *Vinyl radicals, *Allyl radicals,
*Cellulose, Chemical bonds, Fibers.

The special properties of allyl cellulose are associ-
ated either with the double bond or the reactivity of the
methylene group between the ether oxide group and the
double bond. Especially, the latter group can be acti-
vated by ultraviolet light and initiates the grafting of
vinyl monomers. (Author)
(Chemistry--Organic, TT, v. 8, no. 7)

62-14315

I. Lagache, M.
II. Chateau, M.
III. Pomey, J.

Office of Technical Services

Transient Increase of Internal Friction in the
Course of Isothermal Precipitation of Carbon in
Non Iron-Carbon Alloy, by G. Collette.

FRENCH, per, Comptes Rendus, Vol CCXI, 19 Dec 1960,
pp 2930-2932.

BISI 3016

Sci - m/n

Dec 62

list 158

217,310

Radioisotope Metabolism of the Cat Foetus Close to
the End of the Pregnancy, by A. VERNIN,
A. VERNIN-PINOT, 9 pp.
FRENCH, per, Comptes Rendus, Vol CCII, 1960,
pp 3079-3081. 9228874
DEC-DECAL-TR-1190 (L)

Sci-88/24
Jan 65

281,066

On Conditions for the Roots of a Polynomial
With Real Coefficients to Have Negative
Real Parts, by Robert Meyniere.

FRIECH, par, Comptes Rendus Academi des
Sciences, Jul/Aug 1962, pp 56-58.

Navy Tr 3560/APL 2853

Sci - Math & Data Process
Sep 63

344,158

Heterdiffusion of Chloride and iodide
ions in Some Monocrystal Alkali Halogens
by J.C. Beaumont, 3 pp.
FRENCH, per, C.R. Acad. Sci. 252, 1961
pp. 113-115.
*NBS TT 70-57607

Sci/chem
Jul 70

Heterdiffusion of Chloride and Iodide
ions in some Polycrystalline Alkali
Halogens, by J.C. Beaumont, 3 pp.
FRENCH, per, C.R. Acad. Sci. 252, 1961
pp. 266-268.
*NBS TT 70-57606

Sci/chem
Jul 70

Dissociation of the Dislocations in Iron and the
Body Centered Cubic Metals, by Charles Crussard,
* pp.

FRENCH, per, Comptes Rendus, Vol CCLII, 1961,
pp 273-275. 9099906

ABC Tr-5624

Sci - Min/Metals
May 62

196, 766

Metallography - Study of Self-Diffusion of Uranium
in the Alpha Phase, by Yves Adda; Alexis Kirilenko,
Claude Mairy, 4 pp.

FRENCH, per, Comptes Rendus, 17 Jul 1961, p 4457.
9097013

AEC HW Tr-30

Sci - Min/Metals
Mar 62

186, 479

First Order Dioptries of Thin Cyclindrical
Magnetic Lens, by G. Bacquet, et al.

FRENCH, par, A Comptes Rendus,
Vol. CCLXI, No 4, 1961, pp 922-924.

Broken Hill Prop Co Ltd
(CRL/T.685)

Bcl - Phys
Jul 62

207,587

62-10239

Fang, Pao-Hsien, Robbins, Carl, and Forrat, Francis.
FERROELECTRICITY: FERROELECTRIC PROPERTIES
OF THE MIXED TITANATES OF $\text{Bi}_4\text{Tl}_3\text{O}_{12}$, n-BaTiO₃
SYSTEMS. [1961] [3]p.
Order from SLA \$1.10

62-10239

Trans. of Academie des Sciences, Paris. Comptes
Rendus (France) [1961, v. 252, p. 683-685] (pub. by
Gauthier Villars et Cie., Paris).

DESCRIPTORS: *Barium compounds, *Bismuth com-
pounds, *Titanates, Dielectric properties, Crystal
structure, *Ferroelectricity, Ferroelectric materials,
Ferroelectric crystals, Ceramic materials.

(Materials--Ceramics, TT, v. 7, no. 9)

- I. Fang, Pao-Hsien
- II. Robbins, C.
- III. Forrat, F.
- IV. Title: Ferroelectric ...

Office of Technical Services

Simple Electrolytic Method of Preparing Thin Metallic
Sheets for Direct Examination by an Electronic
Microscope, by H. Azam, M. Bouleau, P. A. Jacquet, 1 p.

FRENCH, per, Comptes Rendus, Vol CCLII, 30 Jan 1961,
pp 698-700. 7098272

*AEC Tr-4431

Sci - Engr
Feb 62

On the Influence of Plastic Deformation
on the Velocity of Intermetallic Diffu-
sion, by P. Chollet, 3 pp.

FRENCH, per, C.R. Acad. Sci. 252, 1961
pp. 728-730.

*NBS TT 70-57605

Sci/phys
Jul 70

Study of the First Stage of Natural Sintering in the
Gamma Phase of Uranium Powder by Isothermal
Dilatometry, by P. Bernard.

FRENCH, per, C. R. Acad Sci, Vol 252, 1961,
pp 1149-1151.

*NBS TT 71-53021

Available NBS Only

June 71

On the Borides of Molybdenum and Tungsten the New
Compounds MoB_4 and WB_4 , by Andre Chretien.

FRENCH, per, Comptes Rendus, Vol CCLII, No 5,
30 Jan 1962, p 742.

Dept of Interior
INF 857 No 650

Sci - Mat & Met

May 63

230,665

Relation Between the Phase Diagram and Interaction
Parameters, by E. Bonnier.

FRENCH, per, Comptes Rendus Acad Sci, Vol 253,
1961, pp 867-869.

*Nat Bur Stand TT 70-57711

Sci-Math
Jul 70

Fluorescence, by Elisabeth Leffitte, Christian
Pujols, 7 pp.

FRENCH, per, Comptes Rendus, Vol CCLII, 1961,
pp 1008-1010. *TO 10-4*

AEC UCER Tr-8781(L)

Sci - Phys
Jun 62
List 69

197, 828

Determination to Within 3×10^{-10} Sec of the
Instant of Emission of a Photon in the Visible
Region, by Bernard Agrinier, Alain Raviart.

FRENCH, per, Acad des Sciences, Comptes Rendus.
Vol. CCLII, Feb 20, 1961, pp 1127-1128. 9203663

UCRL-Tr-877-L

Sci - Electr

Mar 63

226,577

S-495/64

Effect of Cold Hammering on the Structure of an
Alloy Resistant to Structural Hardening After
Heating at Various Temperatures, by
Charles Apert, 3 pp.

FRENCH, per, [Academie des Sciences, Comptes Rendus, N
No 252, Jan-Feb 1961, pp 1152-1154.

*JPRS/SF-3141/SPECIAL

Sci - M/M

Apr 64

May

Drillat, J.
THE REACTION MECHANISM OF THE SLOW OXI-
DATION OF BENZENE IN THE GAS PHASE. [1961]

3p.

Order from ATS \$4.25

ATS-55N52P

Trans. of Academie des Sciences, Paris. Comptes
Rendus (France) 1961, v. 252, no. 8, p. 1155-1157
(pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: *Reaction kinetics, *Oxidation,
*Benzenes, Gases, Chemical reactions, Phase studies.

(Chemistry--Physical, TT, v. 6, no. 4)

61 22912

I. Drillat, J.
II. ATS-55N52P
III. Associated Technical
Services, Inc., East
Orange, N. J.

ATS/76075

177752

Office of Technical Services

On the Origin of the Ionization Observed in
Shock Tubes with Magnet Blowing, by M. Cloupeau
FRENCH, per, Academie des Sciences, Paris,
Comptes Rendus, Vol 253, 1961, pp 1160-1162
HTC 71-15317-201

mar 72

A Note on Electrode Potential of Semiconductors
in Solution, by Georges Feuillade, 3 pp.

FRENCH, per, Comptes Rendus Acad Sci, Vol CCLII,
No 9, 1961, pp 1288-1290.

NIH 12-16-61

187, 790

Sci - Med

Feb 62

Deformation of Uranium During Irradiation at Low
Temperature, by Yves Quere, Jacques Doulat. 3 p.
FRENCH, per, Comptes Rendus des Seances de
l'Academie des Sciences, Vol CCLII, 27 Feb 1961,
pp 1305-1307. 9222645

PAEC-Tr-6395

Sci-Mat & Met
Apr 64

Preparation of Thin Coating of Ga by
Thermal Evaporation Under Vacuum, by
S. Martinuzzi, 3 pp.
FRENCH, per, C.R. Acad. Sci. 252, 1961
pp. 1314-1316.
*NBS TT 70-57621

Sci/chem
Jul 70

Simultaneous Measurement Method to Determine Volume and Grain Boundary Self-diffusion or Heterdiffusion Coefficients, by P. Guiraldeng, 3 pp.
FRENCH, per, C.R. Acad. Sci. 252, 1961, pp. 1317-1319.
*NBS TT 70-57604

Sci/misc
Jul 70

Determination of the Composition of $M_{23}C_6$ Type Carbides
in Various Austenitic Alloys, Jean Philibert, Guy
Henry, Michel Robert, 7 pp.

FRENCH, per, Comptes Rendus, Vol CCLII, 1961,
pp 1320-1322. 9089423

ABC Tr-5059

Sci - Min/Metals
Jun 62
List 69

197, 816

Hamelin, Raymond and Hayes, Simone.
STUDIES OF SOLVATION IN SOLUTIONS OF GRIG-
NARD REAGENTS BY MEANS OF IR SPECTRA.

[1963] 5p 3refs

Order from SLA \$1.10

TT-64-10165

Trans. of [Academie des Sciences, Paris]. Comptes
Rendus (France) 1961, v. 252, p. 1616-1618 (pub. by
Gauthier-Villars et Cie., Paris).

(Physics--Spectroscopy, TT, v. 12, no. 1)

TT-64-10165

I. Hamelin, R.
II. Hayes, S.

Office of Technical Services

62-14450

I. Mascherpa, G.

Mascherpa, Guy.
PREPARATION OF ANHYDROUS PERCHLORIC
ACID. [1962] 3p. (figs. refs. omitted).
Order from SLA \$1.10

62-14450

Trans. of Academie des Sciences [Paris]. Comptes
Rend[us] (France) 1961, v. 252 [no. 12] p. 1800-1802
(pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: *Perchloric acid, Anhydrides, Syn-
thesis. *Distilling plants.

An apparatus is described that permits the prepara-
tion, with safety, of the completely discolored, anhy-
drous acid at a rate of 60 grams per hour. It has been
in operation for a year.

(Engineering--Chemical, TT, v. 8, no. 7)

Office of Technical Services

Remarks Concerning Numerical Integration, by
E. Stiefel, et al.
FRENCH, per, Comptes Rendus Acad des Sciences,
Vol 252, 1961, pp 1899-1900. PG 11126466
DAEC SC-T-66-0755

Sci/Mathematical Sci
Oct 66

Leflaive, Etienne.

SOIL MECHANICS: CALCULATION IN PLASTICITY
OF THE LIMIT CONTOUR OF AN EARTH TALUS.

[1962] 5p. 2 refs.

Order from SLA \$1.10

63-10297

Trans. of Academie des Sciences, Paris. Comptes

Rendus (France) 1961, v. 252, p. 1904-1906

(pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: *Soil mechanics, Terrain, *Plasticity,
Numerical analysis.

(Agriculture--Plant Cultivation, TT, v. 9, no. 12)

63-10297

I. Title: Earth talus

I. Leflaive, E.

II. Title: Calculation ...

Office of Technical Services

On the Pyrolysis of Dichloromethane, by Georges
Champetier, Monique Vacherot, Rager Mari,
■ Michel Niclause, 5pp
FRENCH, per, Academie des Sciences, Paris,
Comptes Rendus, Vol 252, 1961, No 13, pp 1945-1947,
SIA TT-65-10042

Sci - Chem
June 67

328,916

Seiden
ory of the Anomalies of Electrical Resistivity
the Rare Earths, by Joseph Seiden, 17 pp.

Seiden
NCH, per, Comptes rend. Vol CCLII, 1961,
1922. 9069035

pt
AEC-tr-5312

- Chem
62

Theory of the Anomalies of Electrical Resistivity
of the Rare Earths. Part I, by Joseph Seiden.

FRENCH, per, Comptes Rendus, Vol CCLII, 1961,
pp 1922-1924

AEC-Tr-5312

Sci - Chem

Apr 63

226,995

Radioactivity in the Atmosphere. The Percentage
of Small and Large Radioactive Ions in the Air,
by Jean Bricard, Jacques Pradel, Andre Renoux,
7 pp.

FRENCH, per, Comptes Rendus, Vol CCLII, 1961,
pp 2119-2121. 9095529

AEC UCRL Tr-738

Sci - Geophys
Mar 62

186,500

On the Luminous Emission From Cadmium Sulfide
Bombarded by Cathodic Rays, by Francois Bombre,
Francois a Gans, 5 pp.

FRENCH, per, Comptes Rendus, Academie des
Sciences, Vol CCLIII, No 15, Apr 10, 1961,
pp 2209-2211. 9676323

FTD-TT-62-130

Sci - Min/Metal

3 May 62

194, 109

Disintegration of Mercury 192, by Jerzy Jastrzebski,
Pierrette Kilcher, 4 pp.

FRENCH, per. Comptes Rendus, Vol. CCXLI, 1961,
pp 2221-2223.

ABC Tr-4658

Sci - Phys
Aug 61

165,387

Agency: Arms/Redstone #27
MIRL No. 076100-00711

R-10478-B
19 June 69

Title: Quadrupole Moment of the Primar State of
Nuclear Excitation of Fe⁵⁷.

Author: A. Alragam and F. Routhon

Source: Comptes Rendus 252, 2416 - 2418 (1961)

Language: French

3pp

Special Instructions: Please translate.
Edited draft form.

The Determination of the Activity of Fe in Solid
 Fe_2O_3 , by P. Raccach.

FRENCH, per, Comptes Rendus Acad Sci, Vol 253,
1961, pp 2682-2684.

*Nat Bur Stand TT 70-57752

Sci-Chem

Jul 70

Some Results Derived From the Study of the
Deformation of Artificial Clouds of Alkali
Metals, by J. E. Blument, J. M. Baggett.

MEMPHIS, Tenn, Compt Rend, Vol. CCCLII, 1961,
pp 3099-3101.

NASA TT F-8158

Sci

7 Mar 62

185, 890

US GOV'T COPY

On the Distribution of Elements in Metamictic
Niobium Tantalates by Point Analysis with
the Electron, by D. Pauquier.
FRENCH, per, Compt. Rend., Vol 252, 1961,
pp 3283-3285.
NASA TT F-9818

U. S. GOVERNMENT USE ONLY
Sci-Phys
Apr 66

298,739

Chemical Explosion Produced in the High
Atmosphere, by J. E. Blamont, J. Rieblot,
E. Selzer.

FRENCH, per, Compt Rend, Vol CCLII, 1961,
pp 3317-3318.

NASA TT F-8155

Sci

7 Mar 62

185,892

US GOV'T ONLY

The Interaction Between Magnetic Ions and Conduction
Electrons in the Rare Earths. Part II, by Joseph
Seiden.

FRENCH, per, Comptes Rendus, Vol CCLXII, 1961,
pp 3550-3552.

AEC-IT-5312

Sci - Chem

Apr 63

226996

General Chemistry - On the Effect of Dispersion
on the Quenching of Detonation of a ~~Stoichiometric~~
Stoichiometric Methane-Oxygen ~~Mixture~~ Mixture by
Finely Powdered Potassium Bitartrate, by J. C.
Dumont,

FRENCH, per, Comptes Rendus, Vol CCLII, No 24,
1961, pp 3806-3808.

Dept of Interior
TW 1357 No 516

196,827

Sci - Chem
May 62

Blanchard, R., Bochirol, L. and others.
THE DEPOSITION OF PYROLYTIC CARBON FROM
METHANE IN THE PORES OF SYNTHETIC
GRAPHITE: THE INFLUENCE OF TEMPERATURE.
[1962] 2p.
Order from ATS \$3.75 ATS-25P60F

Trans. of [Academie des Sciences, Paris]. Compt[es]
Rend[us] (France) 1961, v. 252, no. 25, p. 3989-3991
(pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: *Methanes, *Carbon, Pyrolysis,
Electrodeposition, *Graphite, Porous materials,
Temperature.

(Chemistry--Physical, TT, v. 8, no. 4)

62-17313

- I. Title: Pyrolytic carbon
- I. Blanchard, R
- II. Bochirol, L.
- III. ATS-25P60F
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

62-10344

Neel, M. Louis.
SUPERPARAMAGNETISM OF THE VERY FINE ANTI-
FERROMAGNETIC GRAINS. [1961] 6p. 3 refs.
Order from SLA \$1.10 62-10344

Trans. from Adademie des Sciences [Paris]. Comptes
Rendus (France) 1961 [v. 252] no. 26 (pub. by Gauthier-
Villars et Cie., Paris).

DESCRIPTORS: Grains (Metallurgy). *Magnetism,
Antiferromagnetism, Magnetic moments, Magnetic
susceptibility.

(Physics--Magnetism, TT, v. 7, no. 9)

1. Title: Superparamagnetism
1. Neel, M. L.

Office of Technical Services

Thermal Stability of Different Uranium
Oxides in the Presence of Oxygen and
Hydrogen, by P. Margotin.
FRENCH, per, Academie des Sciences. Paris.
Comptes Rendus, Vol 252, 1961, pp 4005-4006.
NTC-71-11555-07B

Feb 72

Magnetism: Superparamagnetism of Very Fine
Antiferromagnetic Grains, by J. Neel.
FRENCH, per, Comptes Rendus, Vol 252, 1961,
pp 4075-4080.
(13)-68-505-FRLL - MIT/Lin Lab
Available from NTC

June 69

383,203

Emission Source of a Continuous Spectrum Extending
From the Visible to the Extreme Ultraviolet, by
G. HK Balloffet, J. Romand, et al, 5 pp.

FRENCH, per, Comptes Rendus, Vol CCLII, 1961,
pp 4139-4141. 9669685

Amor Meteorol Soc T-F-55

Sci - Phys
May 63

231,950

on the Noise at Ground Level Caused by the Flight
of Supersonic Aircraft, by Jean-Pierre Guiraud,
4 pp.

FRANCE, par, Comptes Rendus, Vol. 261, No 1, 1961,
pp 67-69. 9097832

AEC SCL-T-395

Sci - Aero
Apr 62

190,570

62-10345

Neel, M. Louis.

SUPERPOSITION OF THE ANTIFERROMAGNETISM
AND THE SUPERPARAMAGNETISM IN A VERY
FINE GRADN. [1961] 4p. 1 ref.
Order from SLA \$1.10

62-10345

Trans. of Academie des Sciences [Paris]. Comptes
Rendus (France) 1961 [v. 253] no. 1, p. 91-12 (pub. by
Gauthier-Villars et Cie., Paris).

DESCRIPTORS: *Antiferromagnetism, *Paramagnetism,
Magnetism, *Grains (Metallurgy), Magnetic fields,
Magnetic moments, Magnetic susceptibility.

(Physics - Magnetism, III, no. 1)

I. Neel, M. L.

62-10346

Neel, M. Louis.

SUPERANTIFERROMAGNETISM IN THE FINE
GRAINS. [1961] 5p. 5 refs.

Order from SLA \$1.10

62-10346

Trans. of Academie des Sciences [Paris]. Comptes
Rendus (France) 1961 [v. 253] no. 2 [p. 203-208]
(pub. by Gauthier-Villars et Cie., Paris).DESCRIPTORS: *Antiferromagnetism, Magnetism,
*Grains (Metallurgy), Thickness, Magnetic fields,
Magnetic moments, Magnetic susceptibility.

1. Neel, M. L.

(Physics - magnetism, TI, v. 7, no. 2)

Office of Technical Services

On Stability Conditions; Applications, by Robert
Meynioux.

FRENCH, per, Comptes Rendus de l'Academie des
Sciences, Vol 253, 1961, pp. 372-375.

APL/JHU T-2034

Dept of Navy

Sci/Misc

Sep 67

340,472

A Test on Dating Recently Formed Uranium
Minerals by Autoradiography, by Francis Chantret,
4 pp.

FRENCH, per, Compt Rend, Vol 253, 1961, pp 500-
501.

AEC GENL Tr-384

127,937

Sci - Nuclear Science
Jul 67

Cancerology. Incidence of Lymphoid Leukemia
Among Newborn Mice After Irradiation, by G.
Rudali, J. Reverdy, 4 pp.

FRENCH, per, ^p~~Comptes Rendus~~ ⁴Acad Sci,
Vol CCLIII, 1961, pp 590-592.

NIH # 3-16-62

199,749

Sci - Med

Jun 62

Influence of Additions of Mo. Zr, and
Nb, on the Self-Diffusion of U in the
Gamma-Phase, by Y. Adda, 3 pp.
FRENCH, per, C.R. Acad. Sci. 253, 1961
pp. 653-655.
*NBS TT 70-57619

Sci/chem
Jul 70

Theory of the Electrical Resistivity of Gd. Part III,
by Joseph Seidan.

FRENCH, par, Comptes Rendus, Vol. CCLIII, 1961,
pp 812-814.

AEC-TT-5312

Sci - Chem

Apr 63

226797

The Nitridation of Uranium Powder by Nitrogen,
by C. Moreau, J. Philippot, 5 pp.
FRENCH, per, Comptes Rendus, Vol CCLXI,
1961, pp 1100-1102, 9229104
AEC-LA-Tr-65-6

Sci-Phys
Jul 65

282,643

Cancerology. Study of the Factor of Maternal
Resistance to Leukemia, Spontaneous or Induced
by a Leukemic Extract, by G. Rudali, P. Jullien,
4 pp.

FRENCH, per, Comptes Rendus Acad Sci,
Vol CCLIII, 1961, pp 1229-1231.

NIH 3-17-62

199, 750

Sci - Med

Jun 62

Alloy - Statistical Structures, by Mero Selesco, p.
pp.

FRANCE, per, Comptes Rendus, Vol. CCLIII, 1961, pp 1331-
133. 9089855

AEC Tr-5095

AEC Tr-6007

6
of - Min/Metals

1. 62

204 129

62-18782

I. Coupry, G.

Coupry, Gabriel.
A RELATION BETWEEN ATTENUATION IN SPACE
AND ATTENUATION IN TIME. [1962] 5p.
Order from SLA \$1.10 62-18782

Trans. of Acad[emie] des Sciences [Paris]. Comptes
Rendus (France) 1961, v. 253, no. 15, p. 1524-1526
(pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: Structures, *Elasticity, Mathematical
analysis, *Differential geometry, Attenuation.

The response is sought of an elastic structure which is
slightly viscous and harmonically excited to the fre-
quency of one of its nonattenuated modes on several
points or in several zones of its boundary. The attenua-
tion in space of each of the components of the forced
vibration can be calculated from a knowledge of the
attenuation in time of the free response of the structure
when at least one of the space variables separates.
(Author)

(Mechanics, TT, v. 10, no. 8)

Office of Technical Services

Review of Landau Damping and of Linear Approximation
in the Study of Plasma Oscillations, by

J. -F. Denisse

FRENCH, per, Academie des Sciences. Paris.

Comptes Rendus, Vol 253, 1961, pp 1539-1541

NTC 71-15546-201

feb 72

Maghemite of the Sedimentary Iron Deposit of
Gara Djebilet((Western Sahara),
by H. Vincienne, P. Salesse.
FRENCH, per, Compt. Rend. Vol 253, 1961,
pp 1719-1721.
NASA TT F-9817

U. S. GOVERNMENT USE ONLY
Sci-Chem
Apr 66

298,766

Optical and Electronic Microscopy Study of the
"Immunologically Competent Cells" in the Course of
Grafting Reactions, by Jacques-Louis Kinn, Georges
Mache, 5 pp.

FRENCH, par, Comptes Rendus, Vol CCLXXI, Oct 23, 1961,
pp 1852-1853. 9099870

AMS 500-100

Sol - Med
May 62

198, 1411

Influence of Carbon Containing Food on the Sporulation Mutants of *Bacillus Megaterium*, by J. Aubert, et al.

FRENCH, per, Comptes Rendus Acad Sci, Vol 253, No 17, 1961, pp 1880-1882.

HEW NIH 5-5-66

SLA TT-66-12621

Sci/B&M

Jun 66

\$02,565

On the Measurement of Very High Electric
Resistance With the Aid of Ionization
Chambers Used as Sources of Current,
by D. Blanc, et al.
RENCH, per, Compt Rend, Vol. CCLIII,
1961, pp 1929-1931.
NASA TT F-8791

U. S. GOVERNMENT USE ONLY
Sci-Elect 306,513
Jul 66

Solution by Asymptotic Expansion of the
Linearized Equation Governing Supersonic
Flows About Three-Dimensional Obstacles,
by M. Penain, J. Guiraud.

FRENCH, per, Compt Rend, Vol CXXIII, No 21,
1961, pp 2314-2316.

NASA TT F-8152

Sci
7 Mar 62
US GOV'T ONLY

185,901

Boulaine, J.
THE ROLE OF VEGETATION IN THE FORMATION
OF MEDITERRANEAN CALCAREOUS CARAPACES.
[1962] 3p.

Order from ATS \$5.00

ATS-79P60F

Trans. of [Academie des Sciences, Paris]. Comp[es]
Rend[us] (France) 1961, v. 253, no. 22, p. 2568-2570.
(pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: *Plants, *Crustacea, Aquatic
animals, *Mediterranean Sea, Calcite, Marine
biology

(Earth Sciences--Oceanography, TT, v. 8, no. 4)

62-17324

I. Boulaine, J
II. ATS-79P60F
III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS-1063-FJ

Office of Technical Services

Calculation of Wings of a Form in Any Plane
in Supersonic Regime, by M. Fensin.

FRENCH, per, Compt Rend, Vol CCLIII,
No 22, 1961, pp 2634-2636.

NASA TT F-8150

Sci
7 Mar 62
US GOV'T ONLY

185,899

63-12181

Croutzeilles, M., Mirand, P., and Saulnier, A.
STUDY BY DIRECT ELECTRON MICROSCOPY AND
ELECTRON DIFFRACTION OF THE ω PHASE IN
TITANIUM ALLOYS. [1962].

Order from FRI

FRI Trans-178

Trans. of [Academie des Sciences, Paris]. Comptes
Rendus (France) 1961, v. 253, no. 23, p. 2685-2687
(pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: *Titanium alloys, *Electron microscopy,
*Electron diffraction analysis, Phase studies.

(Metallurgy--Light Metals, TT, v. 9, no. 1)

- I. Croutzeilles, M.
- II. Mirand, P.
- III. Saulnier, A.
- IV. FRI Trans-178
- V. Fulmer Research Inst.,
Ltd. (Gt. Brit.)

Office of Technical Services

Plant physiology - on Growth Inhibition
Caused by Peronospora tabacina Adam ~~XXXXXX~~
Conidium Extracts, by C. Izard.

FRENCH, per, Comptes Rendus des Sceances
de l'Academie des Sciences, Vol CCLIII,
No 23, 1961, pp 2756-2758.

CSIRO/No 5987

Sci-Biol & Med Sci
Mar 63

227,207

Formation of Fraunhofer Lines in the Presence of
a Magnetic Field, by H. R. Michard.

FRESCH, per, Comptes Rendus, Vol CCLIII, 1961,
pp 2957, 2958.

NASA ET P-8838

Sol
Jun 63
US GOV'T USE ONLY

219,873

Measurements of the Total Electric Current Pro-
duced by a Nuclear Explosion, by Jean Ferriev, 3/4p.

FRENCH, per, Comptes Rendus Academie des Sciences,
Vol CCLIII, 1961, pp 2931-2932, 9210756

*AEC - 4000 L-76 - 748(4)

Sci - Electron

May 63

Influence of Internal Stresses on the Composition of Phases Formed by Diffusion in the Systems Uranium - Copper and Uranium - Aluminium by Michel Beyeler and Yves Adda.

FRENCH, per, Comptes Rendus, No 253, pp 2967-2969, 1961. 7213081

AEC-tr-5933

Sci - Phys
Oct 63

Photoelectric Study of a Shock Tube with
Magnetic Blowing of Two Gases, by M. Cloupeau
FRENCH, per, Academie des Sciences. Paris.
Comptes Rendus, Vol 254, 1962, pp 213-215
HTC 71-15318-201

mar 72

Phenomena of Relaxation in Solutions Subjected to
Ultrasonic Radiation, by M. Degrois, B. Redilian,
3 pp.

FRENCH, per, Comptes Rendus, Vol CCLIV, 1962, pp
231-233.

Navy Tr 3393/USHL 24

Sci - Phys
May 63

229,771

Attack on Glass by Ionic Bombardment, by
M. Navez, C. Sella, 5 pp.
FRENCH, per, Comptes Rendus, No 2, Jan 1962,
pp 240-242. 9223386
ACSIL Tr 1561

Sci - Phys
Aug 64

266,016

Origin of the Stresses Causing Polygonization of
Zone Refined Iron Oxidised at High Temperatures.
Importance of the Purity of the Metal in this
Phenomenon, by J. Maldy.

FRENCH, per, Compt. Rend., Vol. 254, 1962,
pp 272-275

GB 41/4172 - 50/

BI SI 4172

Sci -

Aug 67

335-663

Adsorption and Diffusion of H in Fe and Steel, by
H. Veyssere.

FRENCH, per, Compt Rend., Vol 254, 1962, pp 281-283.

*NTIS/NBS TT 71-55211

Available NBS Only

July 71

Franta, E. and Rempp, P.
PREPARATION OF SEQUENTIAL COPOLYMERS BY
THE ANIONIC METHOD. [1962] 5p. 11 refs.
Order from SLA \$1.10 62-20243

Trans. of Acad[emie des] Sci[ences, Paris]. / C[omptes]
R[endus] (France) 1962, v. 254 [no. 4] p. 674-676 (pub.
by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: *Polymers, Synthesis, *Copolymeriza-
tion, Ions, *Vinyl radicals, *Styrenes, *Acrylic resins

A list is compiled of monomers capable of producing
sequential copolymers by anionic polymerization in
the homogeneous phase. (Author)

(Chemistry--Organic, TT, v. 10, no. 1)

62-20243

I. Franta, E.
II. Rempp, P.

Office of Technical Services

Influence of the Phenomenon of Relaxation Produced
in Solutions Subjected to Ultrasonic Radiation
on the Efficacy of Chemical and Luminescent
Effect, by M. Degrois, B. Badilian, 3 pp.

FRENCH, per, Comptes Rendus, Vol. CCLIV, 1962,
pp 837-839.

Navy Dr 3194/USRL 25

Sci - Phys
May 63

229,772

Relaxation of Gas and Vapor Cavitations in Solutions^S
Subjected to Ultrasonic Radiation, by M. Degrois,
B. Dafflian, 4 pp.

FRENCH, per, Comptes Rendus, Vol COLIV, 1962,
pp 1213-1215.

Navy Tr R395/USRL 26

Sci - Phys
May 63

229,773

Nuclear Ferromagnetism in a Rotating Reference
System, by Anatole Abragam, 5 pp.

FRENCH, par, Comptes Rendus ~~des~~ Academie des
Sciences, Vol CCLIV, No 7, 12 Feb 1962, pp 1257-1269

Nav. Tr 3278/IRL 916

Sci - Nuc Phys

Dec 62

2 17, 901

Use of a Mixture of Molten Halides as the Electro-
lyte in a Fuel Cell Functioning at High Temper-
atures, by R. Barde, R. Buvet, et al.

FRENCH, per, Comptes Rendus, Vol. CLIV, 1962,
pp 1627-1629.

NASA TF F-8291

Sci

Apr 63

US GOV'T ONLY

229,213

Effect of Thermal Deformations of a Bunch Shell on
the Nuclear Resonance in the Shell, by J. Joiden, 4 pp

FRENCH, per, Comptes Rendus Academie des Sciences.
Vol CCLIV, No 3, 1962, pp 1774-1777. 9219723

AEC - 53-T-526

Sci - Nuc Sci

Sep 63

Brebec, Gilbert, Levy, Viviane and others.
NEW METHOD FOR INTRODUCING RARE GASES
INTO METALS (Nouvelle Methode d'Introduction des
Gaz Rares dans les Metaux). [1962] [7]p. (foreign
text included) 1 ref.
Order from SLA \$1.10

62-18812

Trans. of Academie des Sciences [Paris]. Comptes
Rendus (France) 1962, v. 254, p. 1794-1796 (pub. by
Gauthier-Villars et Cie., Paris).

DESCRIPTORS: *Metals, *Helium groups gases,
Electric discharges, Cathodes (Electron tubes),
Discharge tubes, *Electrodeposition.

(Engineering--Electronic, TT, v. 10, no. 4)

62-18812

I. Brebec, G.
II. Levy, V.

Office of Technical Services

The Use of a Thermocouple to Study the Appearance
and Development of Cavitation in Liquids Sub-
jected to Ultrasound, by N. Degrois, B. Badilien,
4 pp.

FRENCH, par, Comptes Rendus, IIe Vol CCLIV, 1962,
pp 1943-1945.

11

Navy Tr 3396/USRL 27

Sci - Phys
May 63

229,774

Klein, Siegfried.

ELECTRICITY: ON AN EFFECT OF DIRECT CON-
VERSION OF HEAT TO ELECTRICITY (Electricité -
Sur un Effet de Conversion Directe de la Chaleur en
Électricité). [1963] [5]p. (foreign text included) 3 refs.
Order from SLA \$1.10 63-14376

Trans. of Academie des Sciences [Paris].) Comptes
Rendus (France) 1962, v. 254, no. 1, p. 1946-1947
(pub. by Gauthier-Villars et Cie., Paris).

DESCRIPTORS: *Electricity, *Energy conversion,
Ionization, Vapors, *Thermoelectricity.

(Physics--Electricity, TT, v. 10, no. 4)

63-14376

- I. Klein, S.
- II. Title: On an ...

Office of Technical Services

Transmission Electron Microscope
Study of the Interaction of the
Defects Produced at the Interface
by Oxidation of Pure Iron, by J. Baldy.
FRENCH, por, Compt. Rend. Vol 254,
12 Mar 1962, pp 1991-1993.
NISI 4171
GB 95

ME-France
Sci/MEM
Jul 65

282,446

Influence of Impurities and Sintering Structure on
the Volume and Grain Boundary Diffusion Coefficients
of Iron and Nickel, by P. Guiraldenq. 3 pp.
FRENCH, per, C. R. Acad Sci, Vol 254, 1962,
pp 1994-1996.
*NBS TT 70-57550

Sci-Mat
Jul 70

Application of the Wagner Theory to Solid
Wustite, by P. Raccan and P. Vallet,
FOR OFFICIAL USE ONLY
FRENCH, per, Comptes Rendus, Academie des
Sciences, Vol CCLIV, No 14, 1962, pp 2555-2557.
AFCELT T-F-66

Sci-Phys
Aug 66

509,049

Measurement of the Potential of a Catalyst in the
Course of Reaction. Use of "Dispersed" Electrodes,
by P. Boutry, O. Bloch, et al.

FRENCH, per, Comptes Rendus, Vol CCLIV, 1962,
pp 2583-2585.

NASA TT F-8299

Sci

Apr 63

US GOV'T ONLY

229, 198

Message, Christian and Herzog, Eugène.
ON THE POSSIBILITY OF MAKING ROLLABLE
ALLOYS OF Fe-Al BY DIFFUSION OF ALUMINUM IN
IRON ALLOYS. [July 63] [5]p. 1 ref.
Order from SLA \$1.10

63-18910

Trans. of Académie des Sciences, Paris. Comptes
Rendus (France) 1962, v. 254, p. 2978-2979 (pub. by
Gauthier-Villars et Cie., Paris).

DESCRIPTORS: *Iron alloys, *Aluminum alloys,
Diffusion, Steel, Rolling mills, Hot working, Recrys-
tallization, Mechanical properties.

(Metallurgy, TT, v. 10, no. 11)

63-18910

I. Message, C.
II. Herzog, E.

* U.K.A.E.A.
Springfield, Ill.

Office of Technical Services

Estimation of the Detonation Pressure of Condensed
Explosives., by Y. Pujol, H. Nansen.

FRENCH, par, Comptes Rendus Académie des Sciences,
Vol. 254, No. 11, 1962, pp 3173-3175.

GE/50/AED STG

CFSTI (Office of Technical Services)

Sci -

July 1967

314-11

Kinetics of the Fast Component of Scintillation
in a Pure Organic Medium Application to Anth-
racene, by D. Blanc and F. Carhou, 5 pp.

FRENCH, per, Academie des Sciences, Compt. Rend.
Vol 254, 1962, pp 3187-3189. P911385767

AEC UCRL-TRANS-10132

Sci-Physics

Dec 67

346,188

The Massive State Resistivity of Aluminum Samples
of Different Purity and Free Path of Electrons at
Liquid Helium and Hydrogen Temperatures,
by Frederic Montariol, Robert Reich, 5 pp.
FRENCH, per, Comptes Rendus, Vol CCLIV, 1962,
pp 3357-3359.
AEC-AI-Tr-50

Sci-Mat & Met
Dec 64

269,934